

Amendments to the Specification

IN THE WRITTEN DESCRIPTION

Please replace the paragraph beginning at page 10, line 21, with the following rewritten paragraph:

Those nodes or cross-over points having an associated via 2 can be considered to essentially be closed switches whereas as those nodes which do not have an associated via can be considered to be open switches. The vias therefore represent ones and ~~no~~those without vias represent zeros in a binary code matrix formed by the pattern of conductors 4, 5 and vias 2 on the substrate 3.

Please replace the paragraph beginning at page 11, line 6, with the following rewritten paragraph:

Current information can flow through the vias 3 from the input bus 4 to the output bus 5 at those bit locations at which the first and second conductors are connected. Each signal via has an associated resistance resulting from the inherent resistance established in the via. ~~Via in series with the sheet resistance of the polymer across the Contact Gap, i.e. the gap between the Pad and the Sensing Electrode.~~ This results in a potential drop across a cross-over point bridged by a signal via (see figure 11). As discussed in EP-A-459 808 this potential drop allows one to determine the cross-over points which are connected by supplying a drive signal or current to each drive electrode in turn and monitoring the outputs from the sensing electrodes.